REMARKS

Applicants note that the Office Action at page 3 indicates that claims 1-6, 8, 10, 14-15, and 17-22 are allowed.

Claims 11 and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Ooishi (U.S. Patent Number 6,519,192). In view of the amendments to the claims and the following remarks, it is believed that the claims are allowable over the Ooishi reference, and therefore, reconsideration and removal of the rejections of claims 11-12 are respectfully requested.

Independent claim 11 is amended herein to clarify that data transmitted through a first pad during a write operation and data transmitted through a second pad during a read operation are transmitted simultaneously.

With regard to amended independent claim 11, it is submitted that Ooishi fails to teach or suggest that data transmitted through a first pad during a write operation and data transmitted through a second pad during a read operation are transmitted simultaneously, as claimed in amended independent claim 11, for at least reasons similar to those described in Amendment B filed on June 28, 2006 in response to the previous Office Action mailed on March 28, 2006. Specifically, Ooishi discloses I/O terminals 17 that are coupled to a global data bus GDB, which is divided into a read data region 98 and write data region 99 (see Ooishi, Figures 1-2 and column 7, lines 54-59). Ooishi further discloses that reading and writing operations may be performed in parallel within a same cycle (see Ooishi, Figure 9 and column 14, line 65 through column 15, line 6, and column 16, lines 57-61). However, there is no teaching or suggestion of data input being transmitted through I/O terminals 17 during a write operation and data being transmitted through I/O terminals 17 during a read operation simultaneously. Moreover, read and write data are transmitted between the read data region 98 and write data region 99 of Ooishi to terminals 17 via a set of common elements, specifically, a write driver 110, read amplifier 120, and interface 130 (see Ooishi, Figure 2 and column 7, line 65 through column 8, line 8), which are commonly connected to the abovementioned global data bus GDB 98, 99. Therefore, although the global data bus GDB of Ooishi is partitioned into bus regions to transmit read and

write data, respectively, and although a read operation and write operation may be performed in a same cycle, the abovementioned limitation disclosed in Ooishi prohibits data from being transmitted through a terminal 17 during a write operation and data being transmitted through a terminal 17 during a read operation simultaneously.

For these reasons, it is submitted that Ooishi fails to teach the invention set forth in amended independent claim 11. Entry of the amendments and reconsideration of the rejection of claim 11 and claim 12 dependent thereon under 35 U.S.C. 102(e) based on Ooishi are respectfully requested.

In view of the amendments to the claims and the foregoing remarks, it is believed that, upon entry of this Amendment, all claims pending in the application will be in condition for allowance. Therefore, it is requested that this Amendment be entered and that the case be allowed and passed to issue. If a telephone conference will expedite prosecution of the application, the Examiner is invited to telephone the undersigned.

Respectfully submitted,

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Mills & Onello, LLP
Eleven Beacon Street, Suite 605
Boston, MA 02108
Telephone: (617) 994-4900
Facsimile: (617) 742-7774
J:\SAM\0536\AAF\amendmentc.wpd

Steven M. Mills
Registration Number 36,610
Attorney for Applicants